

**CATAPULT, C-13, EXHAUST VALVE WITH HYDRAULIC ACTUATOR, DEVICE 2H81****TRAINING CATEGORY:**

AVIATION (Misc)

ORIGINATING AGENCY:

DCNO/AIR

SECURITY CLASSIFICATION:

Device 2H81 is unclassified.

INTENDED USE:

The device has been designed for use in instructing enlisted men in the interrelationship of components, construction and principles of operation of the butterfly-type exhaust valve with hydraulic actuator used with the C-13 catapult.

FUNCTIONAL DESCRIPTION:

Device 2H81 is a self-contained, sectionalized, half size mockup showing components and hydraulic passages of the butterfly-type exhaust valve and hydraulic actuator used with the C-13 catapult and consists of the following major components:

1. Sectionalized Mock-up.
2. Manually Operated Control.
3. Table-type Stand.
4. Attached Dust Cover.

This training aid provides a cutaway view showing the components and hydraulic passages within a C-13 catapult exhaust valve. Component parts can be manually operated to show the function of hydraulic actuator and fluid.

It is designed to be operated manually. One hand control is used to demonstrate operation of the piston at port "A" and movement of cam at switch in relation to the disc movement. Hydraulic fluid is simulated by color.

PHYSICAL INFORMATION:

Device 2H81 is shipped in a single package and weighs 150 lbs. It requires a display space of 32" x 32". The stand is provided with swivel casters for easy maneuverability. An attached vinyl cover provides protection from dust. Field maintenance consists of routine visual inspection.

Overall height: 53-1/2".

DIRECTORY OF NAVAL TRAINING DEVICES

INSTALLATION AREA:

Classroom

PUBLICATIONS FURNISHED:

Instructor's Guide for C-13, Catapult Exhaust Valve with Hydraulic Actuator, Device 2H81, NAVSO P-2943.

PERSONNEL:

Trainees:	5 to 20
Instructor/Operator:	One (1)

CONTRACT IDENTIFICATION:

Manufactured by Ben Lorenz Associates, Inc., New York, NY under NAVTRASYSCEN Contract No. N61339-1713.

LOCAL STOCK NUMBER:

6910-LL-C00-1142